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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/785,248	
			Filing Date	02/24/2004	
			First Named Inventor	Choi et al.	
			Group Art Unit	1756	
			Examiner Name	Young, Christopher G.	
Sheet	1	of	8	Attorney Docket Number	PA132-08D09

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,070,116		Frosch et al.	01-24-1978	
	A2	4,600,309		Fay	07-15-1986	
	A3	4,848,911		Uchida et al.	07-18-1989	
	A4	5,074,667		Miyatake	12-24-1991	
	A5	5,148,036		Matsugu et al.	09-15-1992	
	A6	5,148,037		Suda et al.	09-15-1992	
	A7	5,151,754		Ishibashi et al.	09-29-1992	
	A8	5,179,863		Uchida et al.	01-19-1993	
	A9	5,376,810		Hoenk et al.	12-27-1994	
	A10	5,424,549		Feldman	06-13-1995	
	A11	5,670,415		Rust	09-23-1997	
	A12	5,743,998		Park	04-28-1998	
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	A14	5,948,219		Rohner	09-07-1999	
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	A16	6,150,680		Eastman et al.	11-21-2000	
	A17	6,326,627	B1	Putvinski et al.	12-04-2001	
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	A20	6,482,742	B1	Chou	11-19-2002	
	A21	6,534,418	B1	Plat et al.	03-18-2003	
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	A23	2003/0081193	A1	White et al.	05-01-2003	
	A24	2003/0080471	A1	Chou	05-01-2003	
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	A26	5,468,542		Crouch	11-21-1995	
	A27	5,366,851		Novembre	11-22-1994	
	A28	5,362,606		Hartney et al.	11-08-1994	
	A29	5,324,683		Fitch et al.	06-28-1994	
	A30	5,212,147		Sheats	05-18-1993	
	A31	5,458,520		DeMercurio et al.	10-17-1995	
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	A33	5,439,766		Day et al.	08-08-1995	
	A34	5,431,777		Austin et al.	07-11-1995	
Examiner Signature					Date Considered	1/2005

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				Filing Date	02/24/2004
				First Named Inventor	Choi et al.
				Group Art Unit	1756
				Examiner Name	Young, Christopher G.
Sheet	2	of	8	Attorney Docket Number	PA132-08D09

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		Number	Kind Code ² (if known)			
Cuy	A35	5,422,295		Choi et al.	06-06-1995	
	A36	5,421,981		Leader et al.	06-06-1995	
	A37	5,417,802		Obeng	05-23-1995	
	A38	5,380,474		Rye et al.	01-10-1995	
	A39	5,374,454		Bickford et al.	12-20-1994	
	A40	5,330,881		Sidman et al.	07-19-1994	
	A41	5,328,810		Lowrey et al.	07-12-1994	
	A42	5,318,870		Hartney	06-07-1994	
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	A66	4,931,351		McColgin et al.	06-05-1990	
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Examiner Signature					Date Considered	1/2005

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				Application Number	10/785,248
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				First Named Inventor	Choi et al.
(use as many sheets as necessary)				Group Art Unit	1756
				Examiner Name	Young, Christopher G.
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		Number	Kind Code ² (if known)			
Cuy	A69	4,999,280		Hiraoka	03-12-1991	
	A70	5,071,694		Uekita et al.	12-10-1991	
	A71	5,169,494		Hashimoto et al.	12-08-1992	
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	A77	5,654,238		Cronin et al.	08-05-1997	
	A78	5,700,626		Lee et al.	12-23-1997	
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Examiner Signature					Date Considered	1/2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/785,248
Filing Date	02/24/2004
First Named Inventor	Choi et al.
Group Art Unit	1756
Examiner Name	Young, Christopher G.
Attorney Docket Number	PA132-08D09

Sheet 4 of 8

U.S. PATENT DOCUMENTS

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/785,248
		Filing Date	02/24/2004
		First Named Inventor	Choi et al.
		Group Art Unit	1756
		Examiner Name	Young, Christopher G.
Attorney Docket Number	PA132-08D09		
Sheet	6	of	8

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Cmy	A122	Abstract of Japanese Patent 63-138730	
	A123	Abstract of Japanese Patent 55-88332	
	A124	Abstract of Japanese Patent 57-7931	
	A125	Abstract of Japanese Patent 02-92603.	
	A126	Translation of Japanese Patent 02-92603.	
	A127	Abstract of Japanese Patent 02-24848.	
	A128	Translation of Japanese Patent 02-24848.	
	A129	HEIDARI et al., "Nanoimprint Lithography at the 6 in. Wafer Scale," Journal of Vacuum Science Technology, Nov/Dec 2000, pp. 3557-3560, vol. B, no. 18(6)	
	A130	NERAC.COM Retro Search, "Reduction of Dimension of Contact Holes", August 31, 2004	
	A131	NERAC.COM Retro Search, "Trim Etching of Features Formed on an Organic Layer", September 2, 2004	
	A132	NERAC.COM Retro Search, "Multi-Layer Resists", September 2, 2004	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
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Cmy	A133	HU et al., "Flourescence Probe Techniques (FPT) for Measuring the Relative Efficiencies of Free-Radical Photoinitiators", s0024-9297(97)01390-9; "Macromolecules" 1998, vol. 31, no.13, pp. 4107-4113, 1998 American Chemical Society. Published on Web 05/29/1998		
↑	A134	FEYNMAN, Richard P., "There's Plenty of Room at the Bottom—An Invitation to Enter a New Field of Physics," 12 pp [online][Retrieved 9/23/04 from URI:http://www.zyvex.com/nanotech/feynman.html.		
	A135	CIBA SPECIALTY CHEMICALS BUSINESS LINE COATINGS, "What is UV Curing?", 45 pp [online][Retrieved 9/24/04 from URL:http://www.cibasc.com/image.asp?id=4040.		
	A136	Communication Relating to the Results of the Partial International Search; International Appl. No. PCT/US2002/015551.		
	A137	Papirer et al., "The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography," August 1993, pp238-242, vol. 159, Issue 1.		
	A138	Abstract of Papirer et al., "The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography," August 1993, pp238-242, vol. 159, Issue 1.		
	A139	Hirai et al., "Mold Surface Treatment for Imprint Lithography," August 2001, pp 457-462, vol 14, No. 3.		
	A140	Abstract of Hirai et al., "Mold Surface Treatment for Imprint Lithography," August 2001, pp 457-462, vol 14, No. 3.		
	A141	Sung et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication," July 2003, pp. 808-818, vol. 255, no. 7.		
↓	A142	Abstract of Sung et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication," July 2003, pp. 808-818, vol. 255, no. 7.		
Cmy	A143	Roos et al., "Nanoimprint Lithography with a Commerical 4 Inch Bond System for Hot Embossing," October 2001, pp. 427-435, vol. 4343.		

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